

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Reid Von Borstel et al

Atty. Ref.: 1331-436

Serial No. Unassigned

TC/A.U.: Unassigned

Filed: April 15, 2004

Examiner: Unassigned

For: ACYL DEOXYRIBONUCLEOSIDE DERIVATIVES AND USES
THEREOF

* * * * *

April 15, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

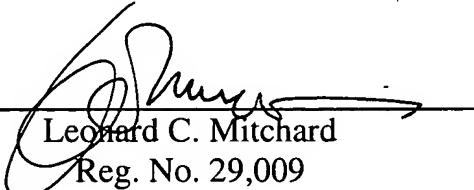
Attached is a completed Form PTO-1449 listing references in connection with this application. Copies of these references are in the file-wrapper of parent application Serial No. 09/494,242 and are therefore not being submitted with this IDS.

The Examiner is requested to initial the attached PTO-1449, and to return a copy of the initialed document to the undersigned as an indication that the listed references have been considered and made of record.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: _____


Leonard C. Mitchard
Reg. No. 29,009

LCM:lfm

1100 North Glebe Road, 8th Floor
Arlington, VA 22201-4714
Telephone: (703) 816-4000
Facsimile: (703) 816-4100

INFORMATION DISCLOSURE CITATION	ATTY. DOCKET NO.	SERIAL NO.
	<u>1331-436</u>	<u>Unassigned</u>
	APPLICANT	
	<u>Reid Von Borstel et al et al</u>	
(Use several sheets if necessary)	FILING DATE	TC/A.U.
	<u>April 15, 2004</u>	<u>Unassigned</u>

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

DOCUMENT		DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	6123917	09/1981	JP				
	0049315	03/1983	JP				
	0222192	05/1987	EP				
	0028929	02/1985	JP				
	3319282	11/1983	DE				
	0056265	07/1982	EP				
	60-174797	09/1985	JP				
	60-064907	04/1985	JP				
	58-167589	10/1983	JP				
	57-091995	06/1982	JP				
	2147094	04/1973	W. DE				
	1941942	03/1971	W. DE				
	2096712	02/1972	FR				
	2556727	06/1985	FR				
	2023085	02/1977	JP				
	8167598	10/1983	JP				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

Ensminger et al; *The Chemical Abstracts*, 92: 87921x (1980).
Narang et al; *The Chemical Abstracts*, 83:147700a (1975).

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. <u>1331-436</u>	SERIAL NO. <u>Unassigned</u>
		APPLICANT <u>Reid Von Borstel et al et al</u>	
(Use several sheets if necessary)		FILING DATE <u>April 15, 2004</u>	TC/A.U. <u>Unassigned</u>
<p>Adamiak et al; <i>The Chemical Abstracts</i>, 106:156803g (1987).</p> <p>Pfleiderer, <i>The Chemical Abstracts</i>; 107:218016j (1987).</p> <p>Nair et al; <i>The Chemical Abstracts</i>; 101:192382z (1984).</p> <p>Ishido et al; <i>The Chemical Abstracts</i>; 92:59149h (1980).</p> <p><i>Hack's Chemical Dictionary</i>; 3rd ed. Julius Grant, ed. pp. 44, 45, 332, 333.</p> <p>Ensminger et al; <i>Biochem. Pharm.</i>; 28, pp. 1541-1545 (1979) Thymidine 5'-O-pivolate.</p> <p>Rosowsky, <i>Cancer Treatment Reports</i>; 65 (1-2), 93-98 (1981).</p> <p>Morrison and Boyd, Fourth Edition, "Organic Chemistry"; Allyn and Bacon, Inc. Boston, 1983.</p> <p>Kanazir et al; <i>Bull. Inst. Nuc. Sci.</i>; "Boris, Kidrich"; 9:145-153 (1959).</p> <p>Beltz et al; <i>Bioch. Biophys. Acta</i>; 297:258-267 (1973).</p> <p>Hunting, D.J. et al; <i>Carcinogenesis</i>; 6:1525-1528 (1985).</p> <p>Golba, et al; <i>Int. J. Rad. Biol.</i>; 13:261-268 (1967).</p> <p>Goh et al; <i>Proc. Soc. Exp. Biol. Med.</i>; 145:938-943 (1974).</p> <p>Horikawa, et al.; <i>Exp. Cell Res.</i>; 34:198-200 (1964).</p> <p>Pantic, et al; <i>Nature</i>; 193:993-994 (1962).</p> <p>Paoletti, et al; <i>Rev. Francais. Etudes Clin. et Bio.</i>; 9:950-955 (1964).</p> <p>Petrovic, et al; <i>Int. J. Radiat. Biol.</i>; 18:243-258 (1970).</p> <p>Petrovic, et al; <i>Studia Biophysica</i>; 43:13-18 (1974).</p> <p>Petrovic, et al; <i>Int. J. Radiat. Res.</i>; 11:609-611 (1967).</p> <p>Savkovic et al; <i>Nature</i>; 203:1297-1298 (1964).</p> <p>Savkovic et al; <i>Nature</i>; 211:1179-1180 (1966).</p> <p>Savkovic et al; <i>Int. J. Rad. Biol.</i>; 9:361-368 (1965).</p> <p>Smets, et al; <i>Int. J. Rad. Biol.</i>; 13:269-273 (1967).</p> <p>Soska et al; <i>Folia Biologica</i>; 5:190-198 (1959).</p> <p>Sugahara et al; <i>Brookhaven Symposia in Biology</i>; 284-302 (1967).</p> <p>Wagner; <i>Int. J. Rad. Biol.</i>; 12:101-112 (1967).</p> <p>Wilczok et al; <i>Int. J. rad. Biol.</i>; 9:201-211 (1965).</p> <p>Goyanes-Villaescusa et al; <i>Lancet</i>; 2:575-576 (1973).</p> <p>Dumont, <i>Ann. Surg.</i>; 150:799-807 (1959).</p> <p>Nicolau et al; <i>Der Hautarzt</i>; 17:512-515 (1966).</p> <p>Marshak et al; <i>Proc. Soc. Exp. Biol. Med.</i>; 58:62-63 (1945).</p> <p>Newman et al; <i>Am. J. Physiol.</i>; 164:251-253 (1951).</p> <p>Casida et al; <i>Biochemical Pharmacology</i>; 15:627-644 (1966).</p> <p>Fridovich; <i>Annu. Rev. Biochem.</i>; 44:147-159 (1975).</p> <p>Leukemia, 2(10) 109-110 (1988).</p> <p>Blood; 74(6) 1923-1928 (1989).</p> <p><i>Cancer Treatment Reports</i>; 69(7-8); 851-857 (1985).</p> <p><i>Chemical Abstracts</i>, Vol. 74, No. 112368k, Rajabalee, Angew; Chem. Int. Ed Engl. 10(1): 75 (1971).</p> <p>Robins, M.J. et al; <i>Biochemistry</i>; Vol. 13, No. 3, 29th January 1974, pp. 553-559; "3'-O-aminoacyl-2'-deoxyadenosines and 2'-O-aminoacyl-3'-deoxyadenosines related to charged transfer ribonucleic acid termini".</p> <p>Dutta, S.P. et al; <i>Biochemistry</i>, Vol. 14, No. 14, 15th July 1974, pp. 3144-3151; "Synthesis and properties of the naturally occurring N-[9-beta-D-riboturanosylpurin-6-yl]-N-methylcarbamoyl]-L-threonine (mt6A) and other related synthetic analogs".</p> <p>Bhuta, A. et al; <i>Biochemistry</i>, Vol. 20, No. 1, 6th January 1981, pp. 8-15; American Chemical Society; "Stereochemical control of ribosomal peptidyltransferase reaction. Role of amino acid side-chain orientation of acceptor substrate".</p>			
*Examiner		Date Considered	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. 1331-436	SERIAL NO. Unassigned
		APPLICANT Reid Von Borstel et al et al	
(Use several sheets if necessary)		FILING DATE April 15, 2004	TC/A.U. Unassigned

	Quiggle, K. et al; <i>Biochemistry</i> , Vol. 20, No. 12, 9 th June 1981, pp. 3480-3485; American Chemical Society; "Donor Site of Ribosomal Peptidyltransferase: Investigation of Substrate Specificity using 2'(3')-O-(N-acylaminoacyl)dinucleoside phosphates as models of the 3'terminus of N-acylaminoacyl transfer ribonucleic acid".
	Buchi, G. et al; <i>Journal of American Chemical Society</i> , Vol. 104, No. 2, 1982, pp. 544-547; American Chemical Society; "Photochemical epoxidation of aflatoxin B1 and sterigmatocystin: Synthesis of Guanine-Containing adducts".
	Matsuura, T. et al; <i>Pure and Applied Chemistry</i> ; Vol. 52, No. 12, 1980, pp. 2705-2715; IUPAC GB; "Organic Chemical Approach to Photo-Cross-Links of Nucleic Acids to Proteins".
	Ryu, E.K. et al; <i>Journal of Carbohydrate Nucleosides Nucleotides</i> , Vol. 4, No. 6, 1977, pp. 387-408, Marcel Dekker, Inc.; "Aminoacyl Derivatives of Nucleosides, Nucleotides, and Polynucleotides. XXVII. General Synthesis of 2'(3')-O-Aminoacyl Dinucleoside Phosphates Derived from the AA-tRNA terminus."

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.